OIPE IAP8
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PATENT & TRADEMARK OFFICE

Amendments to the Claims

Please cancel claims 3–5, 8, 9, and 20; amend claims 1–3, 6-8, 10, 12, 14, 16, 17, 19, and 20; and add new claims 21 and 22 as follows:

1. (CURRENTLY AMENDED) A telecommunications system for providing service to a cellular device located within a radio-frequency (RF) shadow of a communication station including a transmitter and a receiver, the system ~~comprising~~ consisting of:

a line-of-sight (LOS) antenna for receiving a transmitter signal from the station; and

a shadow antenna in communication with the LOS antenna and located within a line of sight of the RF shadow and for receiving a cellular signal from the cellular device;

the LOS antenna for receiving the cellular signal from the shadow antenna and transmitting the cellular signal to the station;

the shadow antenna for receiving the transmitter signal from the LOS antenna and transmitting the transmitter signal to the RF shadow;

wherein there is an absence of signal-processing components disposed between the LOS antenna and the shadow antenna.

2. (CURRENTLY AMENDED) The system of claim 1 further ~~comprising~~ consisting of an interconnection disposed between the antennas for communicating the signals between the LOS antenna and the shadow antenna.

3. (CANCELED)

4. (CANCELED)

5. (CANCELED)

6. (CURRENTLY AMENDED) The system of claim 1 further ~~comprising~~ consisting of a plurality of shadow antennas each for receiving the transmitter signal from the LOS antenna and transmitting the transmitter signal to the RF shadow.

7. (CURRENTLY AMENDED) The system of claim **6** further ~~comprising~~ consisting of a splitter disposed between the LOS antenna and each of the plurality of shadow antennas and for splitting the transmitter signal into a corresponding plurality of transmitter signals respectively communicated to the shadow antennas.

8. (CANCELED)

9. (CANCELED)

10. (CURRENTLY AMENDED) ~~The system of claim 7 further comprising~~ A telecommunications system for providing service to a cellular device located within a radio-frequency (RF) shadow of a communication station including a transmitter and a receiver, the system comprising:

a line-of-sight (LOS) antenna for receiving a transmitter signal from the station;

a plurality of shadow antennas each in communication with the LOS antenna, located within a line of sight of the RF shadow, and for receiving a cellular signal from the cellular device;

a splitter disposed between the LOS antenna and each of the plurality of shadow antennas and for splitting the transmitter signal into a corresponding plurality of transmitter signals respectively communicated to the shadow antennas;

the LOS antenna for receiving cellular signals from the shadow antennas and for transmitting the cellular signals to the station;

each of the shadow antennas for receiving a respective one of the transmitter signals from the LOS antenna and transmitting the respective transmitter signal to the RF shadow; and

a plurality of amplification sections respectively disposed between the shadow ~~antenna~~ antennas and the splitter each for amplifying a respectively received transmitter signal and for amplifying the cellular signal received by a respective one of the shadow antennas.

11. (ORIGINAL) The system of claim **10** wherein each of the amplification sections includes an LOS circulator and a shadow circulator defining an LOS-to-shadow path and a shadow-to-LOS path between the splitter and a respective one of the shadow antennas;

the LOS circulator for:

receiving the cellular signal from the shadow-to-LOS path;

providing the cellular signal to the splitter;

receiving the transmitter signal from the splitter; and

providing the transmitter signal to the LOS-to-shadow path; and

the shadow circulator for:

receiving the transmitter signal from the LOS-to-shadow path;

providing the transmitter signal to a respective one of the shadow antennas;

receiving the cellular signal from a respective one of the shadow antennas; and

providing the cellular signal to the shadow-to-LOS path.

12. (CURRENTLY AMENDED) A method for providing service to a cellular device located within a radio-frequency (RF) shadow of a communication station including a transmitter and a receiver, the method ~~comprising~~ consisting of:

receiving a transmitter signal from the station with an antenna located in a line of sight of the station;

transmitting the transmitter signal to the RF shadow with an antenna located in a line of sight of the RF shadow;

receiving a cellular signal from the cellular device with an antenna located in a line of sight of the RF shadow; and

transmitting the cellular signal to the station with the antenna located in a line of sight of the station;

wherein there is an absence of signal processing of the transmitter signal and the cellular signal.

13. (ORIGINAL) The method of claim **12** wherein the antenna transmitting the transmitter signal and the antenna receiving the cellular signal is the same antenna.

14. (CURRENTLY AMENDED) The method of claim **12** further ~~comprising~~ consisting of:

transmitting the transmitter signal to the RF shadow with a plurality of antennas located in a line of sight of the RF shadow.

15. (ORIGINAL) The method of claim **14** wherein each of the plurality of antennas transmits the transmitter signal along a unique transmission axis.

16. (CURRENTLY AMENDED) The method of claim **14** further ~~comprising~~ consisting of:

receiving a plurality of cellular signals with the plurality of antennas.

17. (CURRENTLY AMENDED) The method of claim **14** further ~~comprising~~ consisting of:

splitting the transmitter signal prior to transmission to the RF shadow.

18. (ORIGINAL) The method of claim **14** wherein the plurality of antennas includes antennas of different types.

19. (CURRENTLY AMENDED) The method of claim **12** further ~~comprising~~ consisting of:

decoupling the transmitter signal prior to transmission to the RF shadow; and

decoupling the cellular signal prior to transmission to the station.

20. (CANCELED)

21. (NEW) A telecommunications system for use with a radio-frequency (RF) shadow of a communication station, the system comprising:

a line-of-sight (LOS) antenna;

a plurality of shadow antennas in communication with the LOS antenna;

a splitter disposed between the LOS antenna and the plurality of shadow antennas; and

a plurality of amplification sections disposed between the splitter and the plurality of shadow antennas, respectively.

22. (NEW) A telecommunication method comprising:

providing a signal received by an antenna in line of sight of a communication station to a plurality of antennas in line of sight of an RF shadow of the communication station; and

amplifying the signal provided to the plurality of antennas, respectively.